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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/803,244	(03/18/2004	Zhenan Bao	ABE 1-38-1-3	5968		
47394	7590	03/28/2006		EXAMINER			
HITT GAIN	•	OGIES INC	ESTRADA, MICHELLE				
PO BOX 832		JOILS INC.	ART UNIT	PAPER NUMBER			
RICHARDS	ON, TX	75083	2823				

DATE MAILED: 03/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		A	Application No.		Applicant(s)		-V
			10/803,244		BAO ET AL.		
Offic	e Action Summary	E	xaminer		Art Unit		
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Attachment(s) 1) Notice of Referen	ices Cited (PTO 802)		A) [] leter	rview Summary (PTO-413)		
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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Kagan et al. (2004/0185600).

Re claim 1, Kagan et al. disclose a substrate (559) having a planar surface; first and second electrodes (552/553) located on said planar surface, said first electrode (552) having a top surface and a lateral surface, said lateral surface having an edge near said substrate; an electrode insulating layer (551) located on said top surface; a self-assembled layer (500) located on said lateral surface; and wherein said second electrode (553) is in contact with both said self-assembled layer and said electrode insulating layer (See fig. 5); wherein said first and second electrodes are in contact with opposite surfaces of said electrode insulating layer (See fig. 5).

Re claim 2, Kagan et al. disclose wherein said self-assembled layer comprises a stack of at least two self-assembled layers.

Re claim 3, Kagan et al. disclose wherein said stack of self-assembled layers comprises an end group of a first organic molecule in a first self-assembled layer chemically coupled to an end group of a second organic molecule in a second self-assembled layer (Page 4, paragraphs [0066], [0067] and [0073]).

Re claim 5, Kagan et al. disclose wherein said self-assembled layer comprises non-conductive organic molecules.

Re claim 9, Kagan et al. disclose wherein a footprint of said electrode insulating layer is substantially aligned with said top surface.

Allowable Subject Matter

Claims 4, 6-8 and 21-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments filed 1/16/06 have been fully considered but they are not persuasive. Applicant argues that Kang does not teach first and second electrodes that are in contact with opposite surfaces of the electrode insulating layer. However, the definition of "opposite" in the Merriam-Webster Dictionary is "set over against something that is at the other end...". Therefore, Kang is encompassed by the instant claims because electrodes 552 and 553 are in contact with opposite surfaces of said electrode insulating layer, taking the definition in consideration.

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Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle Estrada whose telephone number is 571-272-1858. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michelle Estrada Primary Examiner Art Unit 2823

ME March 25, 2006